



Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12



Vol. 1 No. 21

OAK RIDGE, TENNESSEE

Tuesday, September 23, 1947

More Plans Laid For Fire Prevention Week



A group of Y-12 fire, safety and security coordinators confer with Assistant Fire Chief J. E. Lain on plans for observance of Fire Prevention Week in the plant from October 5 through October 11. The coordinators pledged support to the movement and will stress fire prevention work in division and department meetings both before and during Fire Prevention Week. Left to right are W. C. Davis, Manufacturing Offices; J. Thomson, Research and Development; W. F. Cameron, Chemical; Assistant Chief Lain; G. B. Tucker, Shops and Maintenance; and J. H. Harmon, Refining.

Coordinators Carrying Message Of Fire Prevention To Employees

Recently appointed fire, safety and security coordinators in every Y-12 division this week are carrying the message of fire prevention to all employees in preparation for a thorough observance of Fire Prevention Week in the plant from October 5 through October 11. As a result there is a lot of activity throughout the plant to avoid creation of any fire hazards and to eliminate any found.

Special Program October 8

Meanwhile the Y-12 Fire Department has announced a streamlined program for Wednesday, October 8, when a demonstration of various types of fire fighting will be given in front of the cafeteria and a fire prevention parade will be staged. Prior to the opening of the Fire Prevention Week, posters will be displayed throughout the plant pertaining to different phases of fire prevention and a display will be set up in the cafeteria.

At a meeting with J. E. Lain, Assistant Chief of the Y-12 Fire Department, last week the fire, safety and security coordinators pledged full support to the observance of Fire Prevention Week. Special emphasis will be laid on fire prevention in all division and departmental meetings before and during Fire Prevention Week and fire prevention films will be shown at many of these sessions.

Coordinators Attend Meeting

In addition to Assistant Chief Lain, fire, safety and security coordinators attending the meeting last week at the Fire Department headquarters included W. C. Davis, Manufacturing Offices Division; J. Thomson, Research and Development; W. F. Cameron, Chemical; G. B. Tucker, Maintenance and Shops; and J. E. Harmon, Refining.

At the suggestion of Assistant Chief Lain, the coordinators will request all foremen in the plant to closely check conditions in their buildings with the objective of having all exits unobstructed, fire escapes and fire doors in good condition. (Continued on Page 3)

Unreleased Data Still Is Restricted

Although a large amount of information pertaining to atomic energy has been released to the public, Y-12 employees are urged to remember that information not officially released still is considered as secret and rated as "restricted data."

Must Adhere To Rule

It is of paramount importance that every employee in Y-12 adhere to this rule of secrecy and not divulge any of this information.

Security policies in Y-12 provide that each employee is given sufficient information to enable him to perform the duties of the job to which he is assigned. Employees should not seek information that is not essential for efficient performance of their work assignments.

Cooperation Is Needed

Cooperation of every Y-12 employee is needed to protect project information. Assistance can be given by:

- 1—Spiking rumors about the job.
- 2—Checking persons seeking information about the plant. If in doubt as to the authority of anyone asking questions, communicate with the Security Office, North Portal, telephone 7994.
- 3—Knowing the security requirements of your personal job.

Five Departments Set Perfect Work Records

One major league department and four minor league departments turned in perfect attendance records for the week ending September 14. The major league departments are those with more than 50 employees while the minor league departments are composed of groups with from 15 to 49 employees.

Cafeteria, Canteen On Top

In the major league, Dept. A12R, Cafeteria and Canteen, rose from sixth place the previous week to undisputed possession of first place with the only perfect mark in the league. Holding second place for the second consecutive week was Dept. A13N, General Utilities and Standby, with an absentee mark of 1.1 per cent. In third place was Dept. A12M, Manufacturing Offices, with 1.12 per cent of its employees absent.

The league absentee percentage was 3.1 per cent, which is 0.6 per cent higher than the preceding week.

Three Departments Repeat

Three of the seven minor league departments that were tied for first place for the week ending September 9 again turned in perfect work records.

(Continued on Page 3)

Color Film Demonstration Set For Camera Club Meet Tonight

A program offered by the Ansco Film Co., on the color film manufactured by the firm and proper use of the film will be given at the regular meeting of the Carbide Camera Club at 8 o'clock tonight in the club headquarters in the East Portal of the Y-12 plant.

Projection of 50 color slides will illustrate the program and all members of the club, both in Y-12

and K-25, are urged to attend. Following this demonstration, the Carbide Camera Club will stage a color slide competition at its October 14 meeting, according to Program Chairman Foster Calloway. This will be followed by a discussion of color photography on October 28 and on November 11 a black and white print competition will be held, with architecture as the subject of the pictures.

Y-12 Reduction In Force Program Will Be Started On September 24 And Continue For About Six Weeks

The reduction in force program for Y-12, as announced in The Y-12 Bulletin September 9, will be placed into operation tomorrow, September 24, and continue over a period of approximately six weeks.

The research and development program to improve the electro-magnetic process in Y-12 already has progressed to such an extent that some chemical operations, formerly an integral part of the process, have become obsolete. As a result, manpower requirements in the plant will be adjusted to carry out the research and development program and other phases of the Atomic Energy Commission program. This adjustment will necessitate the employment of some additional technical and specialized personnel; but every consideration will be given to present employees before any outside hiring is done.

Machinery has been established for the orderly and efficient handling of the scheduled terminations. All employees listed for reduction in force will be thoroughly informed as to their benefits under the Carbide reduction in force plan.

Moving Plan Described

Payment of outbound moving expenses for employees terminated under the reduction in force plan will be paid by the Company if the employee was reimbursed for inbound moving or travel, providing the expense incurred is reimbursable under the Carbide contract with the Atomic Energy Commission. Carbide will assume obligations incurred for moving by Tennessee Eastman Corp. to employees retained when Carbide took over Y-12 operations on May 4, 1947. Complete information on moving plans may be had from the Y-12 Housing Office in the North Portal building.

Termination and vacation pay allowances will be paid employees eligible to receive it and continuous full-time employment with Tennessee Eastman Corp. in the Y-12 plant before May 4, 1947, will be considered as service with Carbide in computing the allowances. Termination allowances for non-exempt and hourly employees begin after 24 weeks of service and after 12 weeks for exempt salary employees. Allowances for vacation are based on the period of time since the last employment anniversary date for which a vacation has been granted.

Insurance May Be Converted

Employees enrolled in the Carbide Insurance Plan who are terminated may convert their life insurance only. This may be done by making written application to the Metropolitan Life Insurance Co. within 31 days after the date of termination and payment of premiums for the type of life insurance desired. The amount of group life insurance carried by the employee under the Carbide Plan will remain in effect during the 31-day period after termination, regardless of whether the employee applies for (Continued On Page 2)

New Suggestion Plan Discussed; Aims Outlined

A new procedure is being discussed for the Y-12 Suggestion System with the objective of clarifying some phases of the present system and to encourage employees to submit really worthy ideas for the improvement of plant efficiency and safety.

Many Minor Suggestions Valuable

Under wartime production conditions, all Y-12 employees were asked to submit suggestions, regardless of how unimportant they might seem. The results of this program were highly gratifying, as even some of the minor ideas proposed by employees proved of value because of the rapid growth and changes in the plant.

Now that emphasis is being placed on research and development and the urgency of wartime measures has passed; it becomes apparent that a great many suggestions now being submitted are in the nature of routine changes in the department in which the proponent works and affects his every-day routine affairs. This type of suggestion in the future should be offered direct to departmental supervision.

Original Ideas Now Sought

Only truly original suggestions pertaining to reduction in cost of operations, improved manufacturing methods and prevention of fires and accidents should be submitted through the Suggestion System and the proposed new procedure is being written to cover such action.

Legion To Ask For Auditorium

Atomic City Post, No. 199, American Legion, adopted a resolution last Thursday night asking the Atomic Energy Commission to expedite construction of an auditorium in Oak Ridge. The resolution requests the AEC to construct the facility as soon as possible under the master plan for development of the city and points out that present accommodations to handle large audiences for indoor activities are inadequate. The Legion proposes that the auditorium, when built, be dedicated as a war memorial and seat not less than 2,500 persons.

Y-12 Bulletin

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X-Ray Examinations Continue This Week

More free X-Ray examinations are being offered Oak Ridge residents this week as the four mobile units continue their useful work in the city, according to Dr. C. H. Benning, Director of Public Health. In the first three days of the examinations last week, 2,415 persons took the tests. Monday saw 483 persons X-Rayed, 887 took the examinations Tuesday and 1,045 were attended Wednesday.

The X-Ray tests are being sponsored by the Oak Ridge Health Department, the Oak Ridge Tuberculosis Association and the City Management Division of the Atomic Energy Commission. In addition to the mobile units touring the city, an examination unit is established at Town Hall for the duration of the examinations extending to October 3 and a larger unit will be established in the Oak Ridge Hospital from September 22 through October 10 to provide facilities for persons found in need of further examinations after the preliminary tests are taken on the mobile equipment.

For the remainder of this week the mobile units will be at the following locations from noon until 8 p.m.:

Tuesday — Elm Grove Drug Store, Midtown Shopping Center, Jefferson Recreation Hall, Town Hall.

Wednesday — Elm Grove Drug Store, Midtown Shopping Center, A. I. T. Bus Terminal, white waiting room; Town Hall.

Thursday — Outer Drive Drug Store, Waffle Shop at Grove Center, A. I. T. Bus Terminal, Town Hall.

Friday — Outer Drive Drug Store, Waffle Shop at Grove Center, A. I. T. Bus Terminal, Town Hall.

KEFAUVER SPEAKS TONIGHT
"Congressional Attitudes Towards Atomic Energy," will be the subject of an address by Tennessee Rep. Estes Kefauver at the AORES meeting at 8 o'clock tonight at Elm Grove School. A special election to fill a vacancy on the group's executive committee will be held during the meeting.

Careless smoking causes most home fires.



V. I. Kangas, Dept. M13B, is back at work after a two-week vacation spent visiting Niagara Falls, N. Y., and points in Canada, Northern Michigan and Wisconsin.

Elizabeth Adair, Dept. B12L, is vacationing at her home in Pulaski, Va.

Dept. H12D extends sympathy to Emily Lord, whose father died September 13.

Vacationing in Dept. A12M are T. A. Narcrosse, E. R. Russell and I. J. Shotts.

Lillian Howard and Anna P. Hale, Dept. A12W, have returned to work after a short illness. Fern Ball returned to work Monday after a one-week vacation.

Opal Griffin and Mary Nell Smith, Dept. A12L, spent a recent weekend in Nashville.

H. O. Ramey and Pat Hamrick, of Employment, accompanied by Arnold Higdon, Safety Engineer; and T. A. Burkett, former Y-12 employee, motored to Cincinnati recently to see a double-header between the Brooklyn Dodgers and Cincinnati Reds.

W. J. Grigsby, Dept. A14N, is a proud father-in-law now. His son, Charles J. Grigsby, was married September 7 at Copperhill, Tenn., to Miss Martha Jane Ballew, daughter of Mr. and Mrs. R. F. Ballew, of Copperhill. The bride is a graduate of Tennessee Wesleyan University and the groom attended that institution and the University of Tennessee.

Sympathy is extended to W. S. Meller, Dept. A14N, whose sister was killed in a train wreck in Kansas City, Mo.

Ab Monger, Dept. A12N, is on vacation.

Avery Kendig, Dept. A17N, has been released from the Oak Ridge Hospital and is back on the job.

T. E. Chaney, Dept. A13N, is vacationing in Kentucky.

Louis Madonna, Dept. A17N, sure did keep quite about his vacation, but fellow workers are glad to see him back on the job.

W. C. Asbury, Dept. A12N, has returned after a two-week vacation. Fellow employees were sorry to hear of the illness in his family.

June Wilkerson, Dept. A14J, is taking a two-week vacation in Rochester, N. Y.

Dixie McCalab, Dept. A12D, is vacationing in Arkansas.

The Rev. J. A. Bandy and Mrs. Marjorie Jones, of Asheville, N. C., were the recent guests of Evelyn Fullham, Dept. A15N. Friends of J. H. Stone are pleased to hear he is out of the hospital and is recovering nicely. Stanley Blazyk and family of Meantor, Ohio, were the week-end guests of J. H. Graham and family. Gladys Dicus accompanied Myrtle Hughes, Dept. A16J, to Chattanooga last week where Mrs. Hughes underwent an operation. W. E. Johnson is back to work after attending the



KIDD—PERKINS

Of interest to Y-12 friends of the former Miss Mildred Perkins, a former employee here and now working at K-25, was her marriage on Saturday, September 20, to K. E. Kidd, of Knoxville. The ceremony took place at the home of Mr. and Mrs. M. C. Smith in Inskip, a suburb of Knoxville, with the Rev. Roscoe Smith, Baptist minister, officiating.

The bride is the daughter of Mr. and Mrs. W. R. Perkins, of Jellico, Tenn., and the groom's parents are Mr. and Mrs. T. L. Kidd, of Knoxville.

The bride, who was given in marriage by Boyd Cox, cousin of the groom, wore a navy blue suit with white accessories and a corsage of white gardenias. Miss Jewell Little, maid of honor, wore a similar costume. George Cox, also a cousin of the groom, was best man. Only immediate members of the two families attended the wedding.

Following the ceremony a reception was held at the home of Mrs. Smith. The couple will make their home at 502 Broadview, Knoxville.

The bride is a graduate of Cumberland College, Williamsburg, Ky., while the groom graduated from the Clarksburg, W. Va., high school. He is a veteran of three years service in the Navy.



Three births were reported to Y-12 families at the Oak Ridge Hospital last week: Mr. and Mrs. Emerson Kelly, a daughter, September 11; Mr. and Mrs. Lloyd N. Kaylor, son, September 16; Mr. and Mrs. Homer F. Jenkins, son, September 17.

Hospital List

Patients in the Oak Ridge Hospital last week included eight Y-12 employees. They were Audie C. Petty, Dept. M13C; Calvin D. Thomas, Dept. A13N; John S. Luce, Dept. H12E; Bertrand S. Benedict, Dept. A14N; Leslie B. McCormack, Dept. M13B; Naomi Sexton, Dept. M12P; Margaret M. Walton, Dept. M13C; Gladys Standridge, Dept. M13C.

funeral of his mother-in-law, Mrs. S. E. Duffield, of Mountain City, Tenn. Recent house guests of C. L. Taylor are Mrs. G. J. Greene and daughter of Ashland, Ky. D. P. Anderson has just returned from a business trip to Washington, D. C.

Engaged



Miss Idana Couch

Like To Cook? Then Try This Recipe

AUNT ABBIE'S FRUIT PICKLES

Five peeled peaches.
Three peeled pears.
One large onion.
12 skinned ripe tomatoes.
½ bunch of celery.
One sweet red pepper.
One sweet green pepper.
One hot pepper.
One tablespoon mixed pickling spices.
2½ cups of sugar.
One tablespoon salt.
One cup vinegar.

Cut all the fruits and vegetables in small pieces except the hot pepper. Add this whole and place all in large saucepan. Tie pickling spices in a cheesecloth bag and add to the fruits and vegetables with sugar, salt and vinegar. Cook slowly for about two hours until thick. Remove hot pepper and spice bag and pour mixture into hot, sterilized jars and seal.

Recipe makes five pint jars with 656 calories per jar. It contains Vitamins A, C and B Complex.

B. & P. W. SETS DINNER

A dinner meeting for the Business and Professional Women's Club will be held at 7 o'clock tomorrow night at the home of Mrs. Edythe Spalding, 109 Pomona Road.

The reformer was chiding the village toper.

"The last time I saw you, you made me happy because you were sober. Now, look at you."

"Yep," gurgled the toper, "now it is my turn to be happy."

Pedestrians who land in the hospital from automobile accidents might be called the bumper crop.



COUCH-DEVINISH

The engagement of Miss Idana Couch, Dept. A12W, to Robert Devinish, of the same department, has been announced by Harry Couch, Jr., of Washington, D. C., brother of the bride-to-be. The wedding will take place at 6:30 p.m., Saturday, October 18, at the Chapel-On-The-Hill. The Rev. Stephen Davenport, rector of St. Stephen's Episcopal Church, of Oak Ridge, will officiate.

Miss Couch is the daughter of the late Mr. and Mrs. Harry Couch, of Lebanon, Va. She attended Radford College at Radford, Va. Devinish attended the University of Cincinnati and is the son of Mr. and Mrs. T. S. Devinish, of that city.

Maid of honor will be Miss Imogen Couch, Lebanon, Va., sister of the bride-to-be. Thomas Stockton, of Cincinnati, will be best man.

Y-12 Reduction In Force Plan Will Be Started September 24

(Continued from Page 1)

a new policy. The Metropolitan Life Insurance Company maintains an office in Galesburg Hall, Oak Ridge, telephone 5-7909.

Conversion of hospitalization policies carried with the Oak Ridge Health Association also must be made within 31 days from date of termination if the terminated employee desires to retain the policy. The policies must be converted in their present form and applications for conversion should be made at the association offices on the second floor of the Dental Health Clinic building in Oak Ridge. Annual or quarterly payments must be made at time of application for conversion.

Separate Checks For Savings

All payments made by terminating employees into the Carbide Savings Plan or the Carbide Retirement Fund will be reimbursed in separate checks. These checks will be mailed to the employee at the address given by him at the time of termination.

Efforts will be made by the Company to place employees scheduled for reduction in force with other Atomic Energy Commission installations or other outside firms. The Company Employment Department will answer all letters from prospective employers regarding personnel terminated in Y-12, but cannot give a letter of reference or recommendation directly to the terminated employee. Accurate information relative to the employment record of the individuals concerned will be given by the Employment Department in such letters, the data being taken from the personnel file of the employee.

Y-12 And K-25 Folks Have Big Time At Carbide Girls' Club Sports Dance



Lots of fun was had by Carbide employees from both the Y-12 and K-25 plants at the Sports Dance sponsored by the Carbide Girls' Club of K-25 at Grov. Recreation Hall Friday night, September 12. In the picture at the left are the judges in the waltz contest that featured the function. Left to right they are Howard P. Doyle,

H. C. Taylor, Mrs. Clark Center, Mrs. Marie Hamer and John Shacter. The center photograph shows a group of Y-12 guests with a visitor. They are Mr. and Mrs. James Kirk, Mrs. G. E. Smith whose husband formerly worked in Y-12; and Larry Parsons, also of Y-12 who was master of ceremonies at the party. At the right is a general group of merrymakers. Third from right is Clark Center,

Plant Superintendent. To his right is Mrs. B. Speyers who with her husband won the waltz contest and then comes Mrs. C. N. Rucker, wife of the Y-12 Superintendent. Superintendent Rucker is seen standing at the rear on the left of the picture. Mrs. Center is seated in front of him and to Mr. Rucker's right is D. "Spud" Speyers, co-winner of the waltz contest. The others are all K-25 folks.

Coordinators Are Talking Fire Prevention

(Continued from Page 1)

dition, stairways, aisles and corridors clear.

Waste, Rubbish Confined

Other steps being taken in the fire prevention program include seeing that all waste and rubbish is properly confined and oily waste and other flammable material placed in fire proof containers. Proper storage of all flammable material also is being checked as is the condition of all electrical wiring. Attention likewise is being paid to fire protection equipment, including sprinklers and extinguishers, to see that it is in condition for instant use if needed.

The Y-12 Fire Department's fire prevention program was rated sixth among all the industrial plants in the nation in 1946 and plant officials are hopeful that this standing can be bettered this year. The department has stressed that the high rating attained was the result of a year around program or fire prevention and is high in its praise of the attention being paid to this phase of safety in the plant during the past year.

Superintendent Endorses Program

Y-12 Superintendent C. N. Rucker has enthusiastically endorsed the fire prevention program of the plant and has urged the close cooperation of every employee in the movement. The superintendent has pointed out that all Y-12 activities previously carried out in non-fire proof buildings are being moved to fire proof buildings as means of reducing fire hazards.

Five Y-12 Departments Set Perfect Attendance Records

(Continued from Page 1)

fect attendance marks for the week ending September 14. They were: Dept. A12N, General Maintenance Office, Planning and Estimating; Dept. A12T, Garage Repair Shop; and Dept. A12J, Industrial Services. Joining these three departments with a perfect mark was Dept. B-12A, Superintendents. In second place was Dept. A12D, Dispensary, with an absentee mark of 0.8 per cent and in third place was Dept. A19N, Laundry, with a record of 1.1 absenteeism.

The minor league absentee mark as a whole was 2.2 per cent, which was 0.7 per cent higher than the previous week.

Plant Record Is Up

The plant absentee record for the week ending September 14 was 2.9 per cent, 0.6 per cent higher than the preceding week.

The complete plant absentee record by departments follows:

MAJOR LEAGUE				
More than 50 Employees				
Dept.	Percentage Absent	Standing 9-14-47	9-7-47	
A12R	0.0	1	2	
A13N	1.10	2	5	
A12M	1.12	3	7	
A12S	1.6	4	8	
M13B	1.9	5	9	
A14N	2.01	6	3	
H12E	2.02	7	1	
A16N	2.6	8	6	
A14J	2.7	9	10	
A12G	3.0	10	11	
A17N	3.5	11	15	
M12P	3.70	12	4	
B12L	3.72	13	13	
B13L	3.8	14	17	
A12W	3.9	15	12	
M15C	4.5	16	18	
H12L	4.9	17	19	
M13C	5.6	18	14	
H12D	6.9	19	16	

Group percentage was 3.1 per cent, 0.6 per cent higher than the preceding week.

MINOR LEAGUE				
15-49 Employees				
Dept.	Percentage Absent	Standing 9-14-47	9-7-47	
A12N	0.0	1	1	
A12T	0.0	1	1	
A12J	0.0	1	1	
B12A	0.0	1	6	
A12D	0.8	2	1	
A19N	1.1	3	1	
A15N	2.5	4	5	
M14C	2.7	5	2	
A13T	2.8	6	4	
A12L	2.9	7	1	
A12A	3.8	8	7	
M12M	4.1	9	1	
M12S	5.8	10	3	

Group absentee percentage was 2.2 per cent, 0.7 per cent higher than the preceding week.

The plant average for the week ending September 14, 1947, was 2.9 per cent, 0.6 per cent higher than the preceding week.

UT Graduate Courses Attract Y-12 Men

Keen interest is being taken by Y-12 employees in the graduate courses to be offered by the University of Tennessee in Oak Ridge beginning Monday, October 6. More than 40 persons from the plant have planned to enter one of the several courses to be given, all of which carry University of Tennessee graduate residence credit.

Registration Begins Saturday

Registration for the graduate classes has been set for Saturday, September 27, from 9:30 a.m. to 12:30 p.m. and Monday, Tuesday and Wednesday, September 29 and 30 and October 1 from 7 p.m. to 9 p.m. in the Adult Education Office, Room 129, Oak Ridge High School. Before registration, each student must confer with a representative of the University of Tennessee department in which he is taking his major subject. Faculty representatives of the university will be at the high school during registration hours on Saturday for consultation.

Among the Y-12 men who have indicated that they will take the graduate courses are C. F. Barnett, Emerson Kelly, A. L. Boch, R. L. Knight, Fred Boody, J. E. Lee, Jr., Harry Bronstein, R. S. Lord, K. B. Brown, H. C. McCurdy, H. J. Buttram, J. E. Mann, L. G. Chelius, Roger Mansfield, G. H. Clewett, John Murphy, W. B. Cottrell, J. E. Owens, W. C. Davis, P. B. Petretzky, Robert Devinish, A. J. Preslar, H. L. Dickerson, D. M. Ross, M. A. Fields, Frank Scheitlin, J. M. Goggin, D. D. Smith, F. Gordon, N. Stetson, Harold Greene, E. G. Struxness, Paul Griffin, C. D. Susano, John Harding, W. J. Wilcox, Benjamin Harmats, M. L. Winton, V. O. Haynes, P. L. Horton, E. D. Hudson, R. O. Hutchinson, J. P. Jewell and K. O. Johnson, Jr.

Susano Is Coordinator

C. D. Susano, Dept. H12D, in Room 10, Bldg. 9733-2, telephone 7-8685, is acting as coordinator between the university and Y-12 employees interested in enrolling in any of the courses and will advise prospective students on details of enrollment.

All of the graduate classes will be held in Oak Ridge except one in Biology, which will be given on the university campus in Knoxville. Classes will meet twice weekly for an hour and one-half in each session. The classes will be concluded during the week of December 15.

Proposed Classes Listed

Depending on demand, the university proposes to offer the following classes:

Biology 431—Fundamentals of animal cytology, instructor Dr. J. G. Carlson.

Chemistry 471—Special analytical methods (applied X-Rays), instructor A. C. Eckert.

Chemistry 511C—Advanced organic chemistry, instructor Dr. E. C. Coyner or Dr. G. P. Mueller.

Chemistry 541C—Advanced physical chemistry, instructor Dr. E. C. Noonan.

Chemistry 571—Advanced inorganic chemistry, instructor Dr. Henri Levy.

Chemistry 600 — (Title and the course content to be decided).

Chemical Engineering—Application of transfer and reaction rates, instructor H. J. Garber.

Metallurgy—(Title course and content to be determined later), instructor Dr. E. E. Stansbury.

Mathematics 461 — Advanced applied mathematics, instructor Dr. F. A. Ficken.

Mathematics 511 — Theory of functions of a complex variable, instructor Dr. F. A. Ficken.

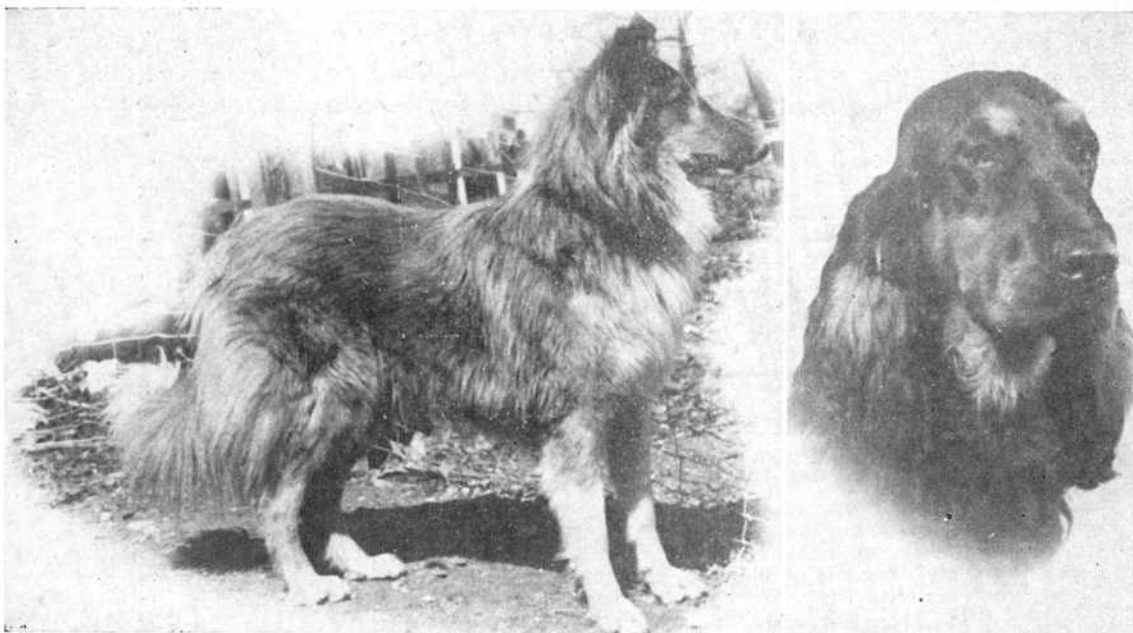
Mathematics 551 — Introduction to higher algebra, instructor Professor Givens.

Mathematics 561 (Also known as Physics 561). Methods of mathematical physics, instructor Dr. F. A. Ficken.

Physics 541 — Electromagnetic theory. Instructor Dr. R. D. Present.

United States fire losses have been estimated at about \$700,000,000 for 1947 compared to \$561,487,000 for 1946.

Canine Aristocrats To Compete In Dog Show



Some entries in the Oak Ridge Kennel Club's sanction match next Sunday afternoon at the high school athletic field are pictured above. At left is Dundonald Heather Queen, a 17-month old collie owned by Mr. and Mrs. Warren Harris, 96 Outer Drive. Heather Queen was judged best local collie at the Oak Ridge point show last spring. Upper right is Eeland's Goldenboots, a 10-month old male black and tan English cocker, owned by Bill Ebert, Dept. M13C. At lower right is Trader Sam-Beau, 15-month old male cocker which has already won two firsts this year in being judged best of group class at both the Oak Ridge and Knoxville shows early this year. The owner, W. B. Allred, 102 Decatur Road, is pictured handling Sam-Beau.

Many Entries Expected In Ridge Kennel Club Sanction Match At Football Field Sunday

A large number of entries for the Class D. sanction match dog show of the Oak Ridge Kennel Club set to begin at 1 p.m., Sunday, September 28, at the high school athletic field, is indicated by the great interest shown in the Monday night handling classes conducted at the Ridge tennis courts for the past two weeks.

Golf Course Opens For Play October 18; Pro Is Obtained

Oak Ridge's pioneering golfers are about ready to cast aside shovels, picks and axes for smaller divot-digging implements like the niblick and mashie as Saturday, October 18, has been set for the official opening of the Oak Ridge Golf and Country Club.

However, A. J. Kessing, club president, has requested all working members to contact their group captains in order to arrange for a final grooming of the nine-hole course which is already rounding into excellent shape and showing prospects of good greens in the near future.

A professional and greens-keeper has been employed in Ballard Beasley, of Chattanooga, who will supervise final dressings given the greens and fairways before the grand opening.

Three Y-12 officials of the Oak Ridge Golf and Country Club are W. D. Lavers, secretary, and H. D. Duncan and James Kirk, members of the board of directors.

Caution Is Urged In Ridge Driving

Motorists while driving in Oak Ridge are requested by the Department of Public Safety to use more than ordinary caution to observe the many temporary road signs placed to insure safe travel while work is being done on reconstruction of streets and sidewalks.

The department calls particular attention to flares marking hazardous locations where road sections are being cut away in the rebuilding process and asks the public to respect all temporary markers which designate areas under construction.

Tennessee is second only to Florida in production of phosphate rock.



Women Bowlers Of Y-12 Win Opening Games In City League

Y-12's kegling lassies, hitting the groove with consistent regularity at Grove Alleys last Thursday night, turned back their opening night opponents, the Jefferson Bowling Alley quintet, 2146 to 1842, and served firm notice to other teams in the Women's City Bowling League that the top spot position is their only target.

Four Y-12 bowlers led the scoring parade and broke into the "400" class in the season's debut, with Dot Roberts marking up 470 total for a three-game series, Lora Tucker 443, Ann Hart 421 and Margaret Solomon a 405. The other two team members also chalked good marks for the initial games, with Daisy Brogan bowling a 245 total for two games, and Ann Preston 132 for one game.

League standing follows:

Team	W	L	Team	W	L
AEC	3	0	Y-12	1	2
K-25	2	1	Skidmores	1	2
R-A	2	1	Fairchild	0	3

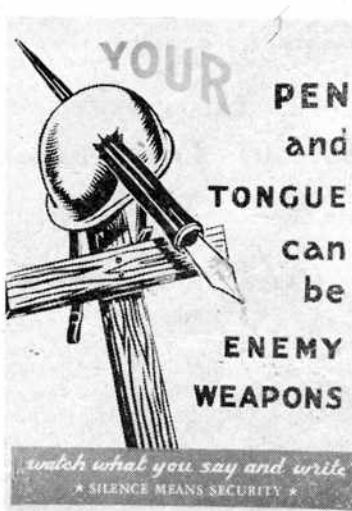
Registration Is Underway For Night School Classes

Enrollment in the night classes to be conducted by the Oak Ridge Adult Education Program now is under way and will continue through Friday, according to Archie C. Keller, Jr., director of the program. It is expected that 1,000 Oak Ridge residents will register for one or more of the courses offered.

The registration office is located in Room 129, Oak Ridge High School, and will be open from 1 p.m. to 10 p.m. Class work will begin next Monday and continue through December 18.

The official announcement of the Adult Education program classes contains full information regarding the subjects offered, time of classes and other data. It may be obtained at the Adult Program office.

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S P O R T S

D Area Pin Loop Season Opens With Good Scores Being Posted

The Y-12 D Area Bowling League opened play Tuesday night of last week at the Jefferson alleys without any fanfare but plenty of vim and vigor which showed up in the scores of three keggers who bowled in major league style to chalk up marks of 200 and better.

Ludwig Ties For Medal

In K-25 Tee Tourney

Y-12 linksmen, paired in 15 matches with their K-25 golfing brethren, won only six in first round skirmishes played Saturday, September 13, at Rockwood Country Club in the Carbide handicap tournament, but laid claim to a tie for the day's medal honors when Floyd Ludwig, Dept. A16N, stroked the course in 73—Rockwood par is 72—to win four and two over Tom Blair of K-25.

Ludwig Scores Net 64

Ludwig, out in 38, needed his 35 on the second nine along with his nine stroke handicap for a net score of 64 to tie for low handicap medal with J. C. Runyon of K-25 who had a handicap of 32 posted in the qualifying rounds. Another championship flight Y-12 winner was W. D. Lavers, who downed F. T. Ruthertford three up. Les Cook bested his Y-12 teammate W. M. Reynolds four and two in another first flight match.

K-25 golfers scored wins over two Y-12 representatives in second flight matches with G. S. Smith winning from W. J. Wanamaker, three and one, and W. D. Phillippi trimming T. R. Morrow one up.

Y-12 Men Win In Fourth

Y-12 fourth flighters balanced those two losses when H. J. Ratjen won five and four from P. V. Brannan and J. R. Radin scored a three and one triumph over M. J. Smith. Another fourth flight match was an exclusive Y-12 affair with R. L. Caldwell winning handily from J. H. Kirk six up and five to go.

K-25 recovered two in the fifth when K. M. Adkins lost seven and six to E. C. Johnson, and N. L. Tibbatts dropped a two and one tussle to J. Ellis. G. W. Mitchell evened the count for Y-12 in the sixth flight, winning from J. F. Burns, six and four, after N. E. Foster had lost a bitter contest to R. Olson of K-25 on a one-up score.

Eighth Flight Matches Split

Dave Harrigan won out four and three over G. H. Shelton in a Y-12 eighth flight affair. W. T. Hays lost his eighth flight match by default to his K-25 opponent.

All ninth flight matches were close, with Y-12 salvaging one win in three contests by virtue of J. J. Holzkencht's three and two victory over W. S. Litzenberger, after C. G. Hubbard lost to E. A. Wiggins two up and E. A. Bagley was defeated by R. D. Schultheiss one up.

No Y-12 golfers were matched in the third and seventh flights.

NO MORE GRID TICKETS

The Oak Ridge Junior Chamber of Commerce has completely sold out its allotment of University of Tennessee football game tickets. Jaycee officials report. About 250 tickets for university home games were sold. Some 5,000 requests for the tickets were received.

A bore is a guy who never seems to have a previous engagement.

Knox Tops Individual Scorers

Knox, of the Termites, rolled the loop's high with a 210 score for a single scratch game; while Schmidt, of the Old Men, placed second with one 207 stanza. Tibbatts, of the Scotties, was third with a 200 mark. Reinhardt, Calutron's ace, hit the timber for highest series mark of 539, with Tibbatt's 535 a close second, and Schmidt's 518 giving him third place.

After the smoke of the first night's battle cleared, the official scorer announced the Scotties and Calutrons had knotted the loop's top spot on a mutual count of four points won and none lost. The Old Men's team took the strategic position of third place on a 3-1 count to keep within striking distance of the two leaders.

Point System Is Used

The point system of scoring used in the D Area Bowling League is a point for each game and an extra point for the team with the high three-game total. Scoring by players in the D Loop is based on the individual handicap.

Three teams, Bums, Chemicals, and Rippers continue to pace the Y-12 Plant League as a result of second round rolling last Thursday night at the Grove Alleys. However, none of the leaders boast of an unblemished record as they did after the first round as each now shows a reverse in the lost column.

Bottom Busters Climb

The Bottom Busters jumped from seventh to fourth place when they posted a team three-game highest scratch score of 2,286. The Comets topped all other 11 teams with a single game scratch mark of 809. Groppe of the Rpipers had another good week in leading the timber tumbler with a 215 scratch game, followed by Roberts of the Comets who marked up 211, and Triblecox, 9212's, third with 203. Roberts also posted high mark for a three-game series with 539 and Groppe marked up a 129 for second place.

League standings follow:

D AREA LEAGUE

Team	W	L	Team	W	L
Calutrons	4	0	Splinters	2	2
Scotties	4	0	W. Choppers	1	3
Old Men	3	1	Strikers	0	4
Termites	2	2	Overheads	0	4

PLANT LEAGUE

Team	W	L	Team	W	L
Bums	5	1	W. Butchers	3	3
Chemicals	5	1	Wolves	3	3
Rippers	5	1	L'jacks	2	4
B. Busters	4	2	Big'un	1	5
Comets	3	3	One-91	1	5
Bldg. 9212	3	3	Knot Holers	0	6

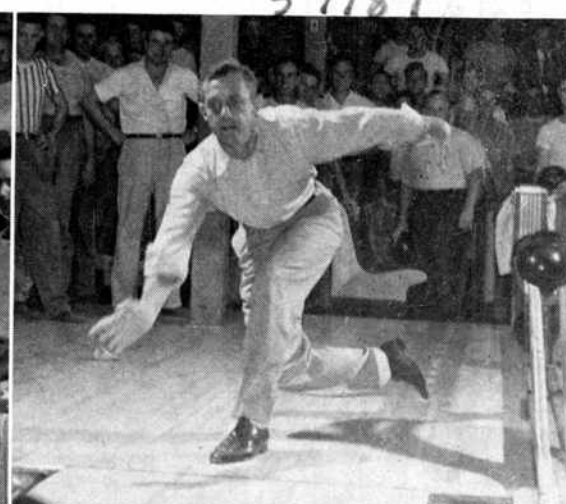
Y-12 Employees

Attend Convention

Eight Y-12 employees attended the annual convention of the American Chemical Society in New York City last week, the sessions running from September 15 through September 19. They included J. M. Herndon, Superintendent of the Chemical Division; Dr. C. E. Larson, Director of the Research and Development Division; and W. J. Wilcox, K. B. Brown, W. Grimes, Boyd Weaver, C. C. Haws and Paul Petretzky.

One hour of pain is longer than an entire day of pleasure.

Scenes At Opening Of Two Plant Bowling Loops



Y-12 Bowlers Lose City League Opener

The new Industrial City Bowling League, composed of six teams, opened play at the Central Alleys Tuesday night of last week, with the Y-12 entry meeting tough competition in Roane-Anderson, which was forced to maul the timber for a couple of highs for the evening to capture two out of three games from our combine of Ernie Cobble, Don Ross, Glenn Burney, L. H. (Sky) Barker, and Roy Roberts.

Margin Only 29 Pins

Y-12 took the RAs 836 to 790 in the first game, but skidded to drop the second, 806 to 862, and the third 766 to 785. The three-game totals of 2,408 for Capt. Sky Barker's boys against Roane-Anderson's 2,437 showing the slight 29-point difference indicates these two teams should fight it out for top two positions in the league. The RAs two highs were 862 for a single game and 2,437 for the series, Tripp hitting 215 for high single and 603 for the three games series.

Ernie Cobble with games of 174, 165, and 179 rolled a high total of 518 for the Y-12 team, while Roy Roberts hit tops for a single game in his first endeavor of 195. Cobble's game average of 172 was 12 points above the team average.

Y-12 Meets AEC Tonight

Y-12 meets the AEC team at 8 o'clock tonight at the Central Alleys. AEC downed Fairchild three straight games last week.

League standing follows:

Team	W	L	Team	W	L
Y-12	3	0	G. Merchants	1	2
Fairchild	3	0	Ford Motors	1	2
AEC	2	1	Jewelers	1	2
Monsanto	2	1	Jeff Alleys	0	3
K-25	2	1	Kurtz	0	3

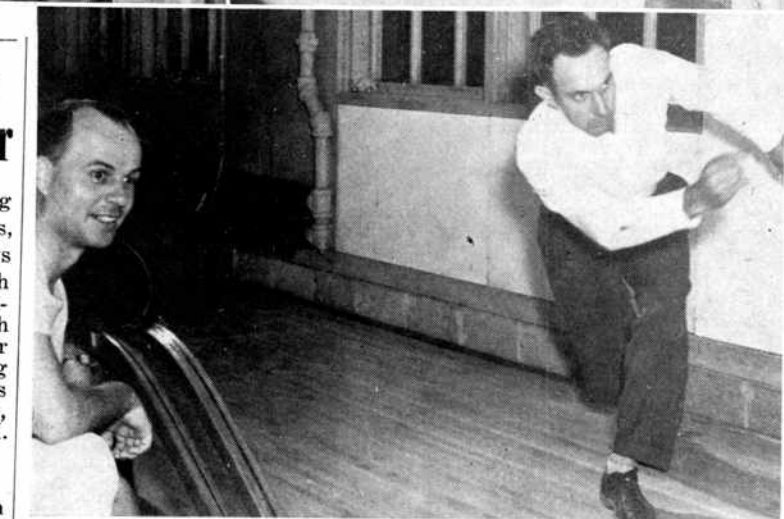
Hard Shells Set For Lions Club Derby Saturday

Such hard-shelled racing entries as Stinker, Flying Saucer, Jet Propulsion, Fluid Drive, and 96 others will be backed to break the Oak Ridge record of two minutes for the 30-foot course set by Blaco at the 1946 Lions Club Turtle Derby when the 1947 renewal of the classic is staged Saturday, September 27. Post time for the first race is 7:30 p.m.

The high school athletic field again has been selected for the turtle races of 10 heats with 10 entries in each race and the Derby run for a grand prize by the winners of the previous races. Turtles in the first race will shove off promptly and the crowd of Derby fans is expected to exceed the great turnout last year, according to Harry Carper, Lions Club president.

All Turtle Derby proceeds will be used by the Lions Club in its program of aiding unprivileged children to obtain expert eye care and glasses where necessary.

Check your driving—check your car—check accidents.



Two Y-12 bowling leagues got under way to running starts recently. In the top photographs Y-12 Superintendent C. N. Rucker helps the Plant League keggers launch their season by cutting a tape, left, with Nelson Tibbatts, at his right and Don Ross at his left looking on; and showing fine bowling form in rolling the first ball down the alley for a seven shot, right. The lower picture shows W. D. Lavers cutting loose with a fast one as Phil Rueff cheers in the opening night activities of the D Area League.

Y-12 Man To Open Boxing School October 4 In High School Gym

In all Oak Ridge there is one school, for boys only, where sons of Y-12 employees will like to enroll in Saturday classes, an institution of wholesome learning which needs no truant officer to assure perfect attendance.

That school is the Carbide Boxing Academy which will again offer free instruction in the art of glove throwing, ring generalship and the ethics of good sportsmanship, it is announced by Nelson Bethea, the school's dean and founder. Bethea, Administrative Assistant to the Y-12 Superintendent's office, said that classes would be held each Saturday from 10 a.m. until noon, would start October 4 and all instruction and boxing shows would be staged at the high school gymnasium.

Permission to use the high school location instead of the Jefferson Junior High School where classes were held last year, was obtained through W. H. Britton, Chief of the Department of Education, Recreation and Public Welfare of the Atomic Energy Commission. Britton was an interested spectator at the boxing academy shows held last year. The school staged five shows last year and plans to hold its first public exhibition the latter part of October.

Assistants To Be Named

Bethea, who is chief of the academy's training staff, will announce the names of his assistants in the next issue of The Y-12 Bulletin, but several of the men who aided him last year again are expected to help coach the boys. As this year's enrollment is expected to approach last year's figures of 160, Bethea urges that all Y-12 fathers who wish to enroll their sons, contact the Y-12 Recreation Office, North Portal, telephone 7-8252, as soon as possible.

SCOUTS SET BANQUET

A father and son banquet will be given at the Grove Recreation Hall at 6 o'clock Friday night by Boy Scout Troop, No. 127, of Oak Ridge. The troop is sponsored by the Oak Ridge Junior Chamber of Commerce.

Dot Mellen Wins Ridge Tennis Title

Y-12's Dorothy Mellen, a three-letter athlete, added another laurel to her sports crown when she became Oak Ridge's queen of the courts by taking the finals in the city-wide tennis tournament in winning from Rosemary McNabb Tuesday night of last week by the scores of 7-5 and 6-3.

Four nights earlier Dorothy teamed with Laura Breeze and breezed through the doubles finals in the same tournament to win the title on scores of 7-5 and 6-0 over Virginia Barker and Nina Kropoff, of Monsanto. Dorothy played a stellar guard on Coach Bill Davis' Y-12 championship basketball team. She also played on the Y-12 softball team this past season and is reported as being an above-the-average bowler.

Rosemary McNabb, the finalist who opposed Dorothy in the court battle at Jackson Square, is the wife of W. L. McNabb, of Y-12.

ART EXHIBIT SET

An art exhibit of 24 American paintings from the galleries of the Associated American Artists of New York will be shown to the public for a two-week period beginning tomorrow at the Oak Ridge Public Library. The exhibits are gelatone reproductions of water colors, pastels, oils, and gouaches of distinguished artists such as Thomas Benton, Grant Good, Millard Sheets, Adolph Dehn, Peter Hurd and others.

About 30 persons are killed every day by fire.